HP-16c Cheat Sheet

https://github.com/gvnn3/hp16cheat

Key to Symbols

DS	Drops stack.
LS	Lifts stack.
SU	Stack unchanged.

Clearning

BSP	Backspace.
CLx	Clear X.
CLEAR PRGM	Clear program memory.
CLEAR REG	Clears all registers.
CLEAR PREFIX	Clear any prefix entry.

Data Entry

ENTER	Copy X into Y.
CHS	Change sign.
EEX	Enter Exponent (Floating point mode).

Stack Manipulation

X<>Y	Exchange X and Y
R∨R∧	Roll Stack Down/Up

Display Control

HEX/DEC/OCT/BIN	Change number base.
SHOW HEX/DEC/OCT/BIN	Show X in another base.
SET COMPL 1s, 2s, UNSGN	Set complement mode.
WSIZE	Set word size 1..64 (use 0 for 64).
WINDOW	0..7 Display eight digit segm of X
< >	Scroll left or right.
SF/CF N	Set/Clear flag [0..5].
STATUS	Show compl, wordsize and flags.
FLOAT N	Choose decimals with 0..9

Math

+,-,×,÷	X ← Y OP X, *DS*
RMD	X ← Y MOD X, *DS*
$\sqrt{x}$	Square root of X, *SU*
$1/\_x$	Reciprocal of X, *SU*
DBL×,DBL÷,DBLR	Math with doubles
ABS	Absolute value of X.

Bit Operations

SL/SR	Shift left/right *0*
ASR	Arithmetic shift right *SGN*
RL/RR	Rotate left/right preserving bits.
RLC/RRC	Rotate through carry bit.
RLn/Rn/RLCn/RRCn	Rotate Y, X bits *DS*.
LR	Left justfy X into Y, leaving bit count in X.
MASKL/MASKR	Create left of right bit mask based on X.
. SB/CB	Set/clear bit in Y based on X.
#B	X ← sum bits in X *SU*.
NOT|OR|AND|XOR	X ← X OP Y. *DS*.

Memory

STO	Store value in X into reg 0..F, I, (i).
RCL	Recall value from 0..F, I, (i) into X.*LS*
X<>I	Exchange X and index register.
X<>(i)	Exchange X and register indexed by I.
LSTx	Recall previous X into X.
MEM	Show memory status.

Programming

P/R	Program or Run mode
R/S	Run/Stop
LBL	0..F Set a program label
RTN	Return from subroutine or exit program.
PSE	Pause and show X.
GTO	Goto LABEL.
GTO .nnn	Goto line N.
GSB	Goto a subroutine.
SST	Single step forwards.
BST	Single step backwards.
F?	If flag *unset*, skip an instruction.
B?	If bit *unset*, skip.
<,≤,≥,>,≠,	If *false*, skip.
DSZ/ISZ	Decrement/increment index, skip if 0.